

OT 30/220...240/12 P

OPTOTRONIC OT 30/220-240/12 P | Constant voltage ECG 12 V for LED modules



- Suitable for outdoor applications

Product benefits

- High surge protection: up to 4 kV (L-N)
- High IP protection (IP66)
- Intelligent power matching thanks to Smart power supply
- Flexible mounting concept

Product features

- SELV equivalent

Technical data

Electrical data

Nominal current	0.19 A ¹⁾
Input voltage	198...264 V ²⁾
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Output voltage	12.5 V ³⁾
Surge capability (L-N)	4 kV
Device power loss	5.0 W
Max. no. of ECGs on circuit breaker 10 A	13
Max. no. of ECGs on circuit breaker 16 A	21
Output power	30 W ⁴⁾
Inrush current	30 A ⁵⁾
Power factor λ	0.95/0.90 ⁶⁾
ECG efficiency	85 % ⁷⁾
Galvanic isolation primary/secondary	3.75 kV ⁸⁾

¹⁾ At 230 V

²⁾ V_{AC} / Permitted voltage range

³⁾ ± 0.5 V

⁴⁾ Partial load 0...30 W

⁵⁾ $t_{width} = 170 \mu s$ (measured at 50 % I_{peak})

⁶⁾ Full load at 230 V/Half load at 230 V

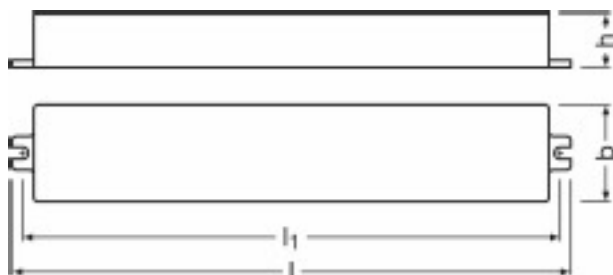
⁷⁾ At full load and 230 V

⁸⁾ SELV-equivalent

Dimensions & weight

Length	220.0 mm
Width	40.0 mm
Height	22.0 mm
Product weight	330.00 g
Cable cross-section, output side	1.0 mm ² ¹⁾
Cable cross-section, input side	1.0 mm ² ¹⁾

¹⁾ Flexible



Product line drawing

Temperatures

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	100 °C

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At T_a = 70°C / 10% failure rate

Capabilities

Maximum wiring length ECG/lamp	10 m
Dimmable	Yes ¹⁾
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Suitable for fixtures with prot. class	II

Capabilities

No-load proof	Yes
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¹⁾ With OPTOTRONIC dimmers

Certificates & standards

Approval marks – approval	CE / ENEC 18 / CB / C-Tick
Type of protection	IP66

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4052899905542	Unpacked 1	- x - x -		
4052899905573	Shipping carton box 30	- x - x -		

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.